

APPENDIX H

BEST MANAGEMENT PRACTICE WATER QUALITY TREATMENT EXHIBITS



LEGEND

- PS PROPOSED PUMP STATION LOCATION
- o PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN PIPE
- [Hatched Box] BIOFILTRATION SWALE
- [Cross-hatched Box] AUSTIN SAND FILTER
- [Grid Box] CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____

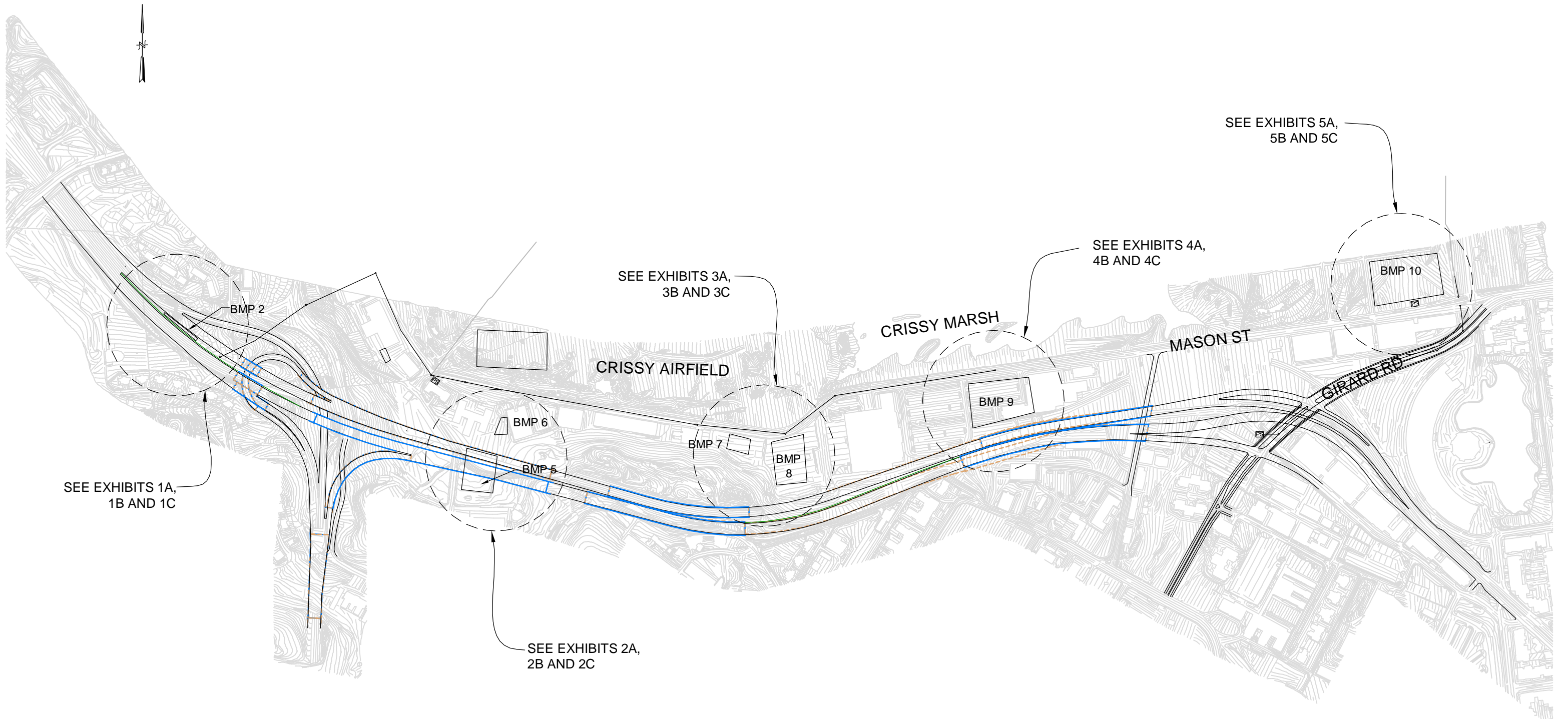
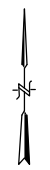


DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT 1A
BIOFILTRATION SWALE

SCALE	
HORIZONTAL:	1"=60'
VERTICAL:	N/A
SHT. ____ OF ____ SHTS.	

Original Scale
is in Inches



LEGEND

- PS PROPOSED PUMP STATION LOCATION
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN PIPE
- EXISTING STORM DRAIN PIPE

DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____

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122

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Original Scale
is in inches

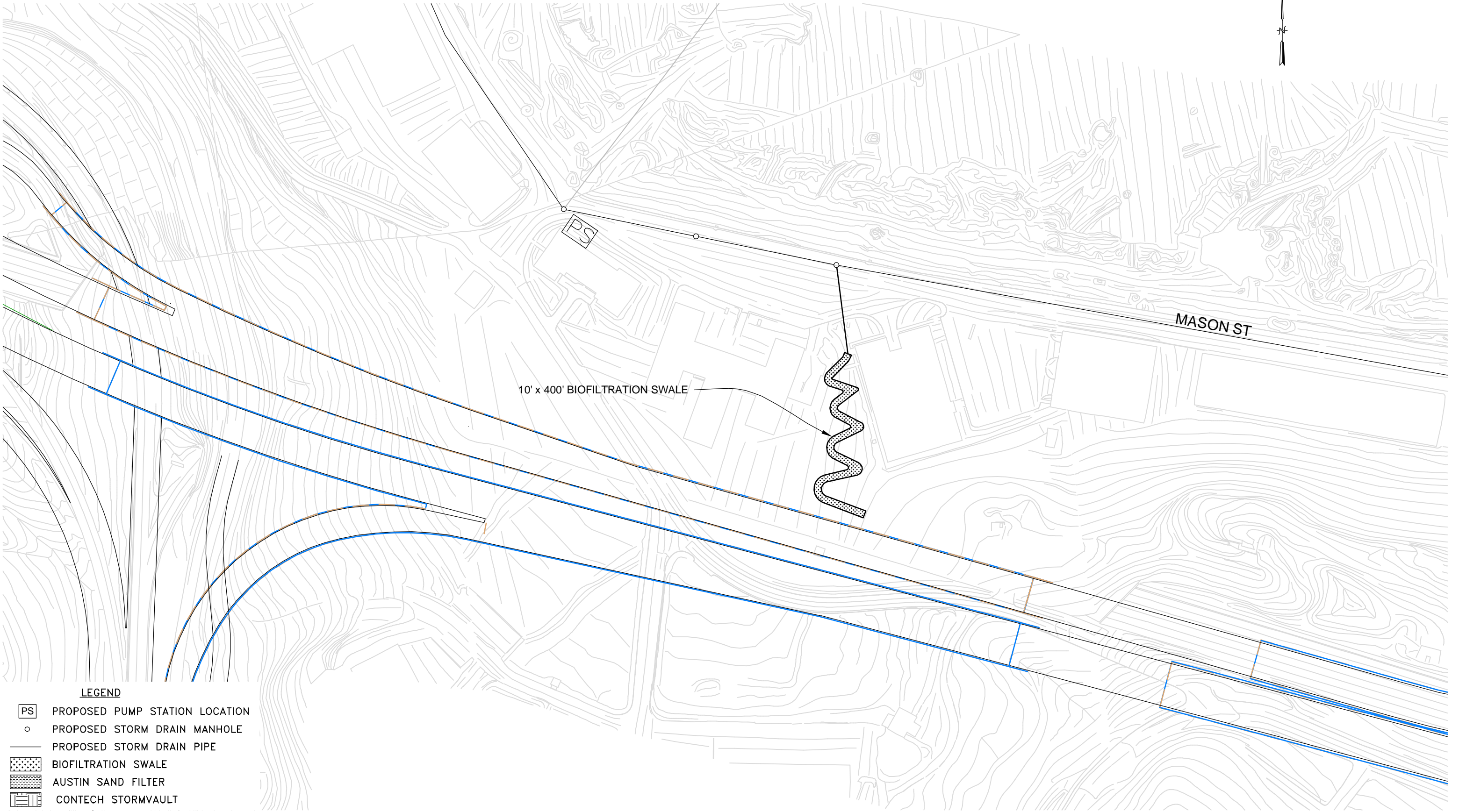
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1







2

3

SCALE	
HORIZONTAL:	1"=250'
VERTICAL:	N/A
SHT. _____	OF _____ SHTS.



LEGEND

-  PROPOSED PUMP STATION LOCATION
-  PROPOSED STORM DRAIN MANHOLE
-  PROPOSED STORM DRAIN PIPE
-  BIOFILTRATION SWALE
-  AUSTIN SAND FILTER
-  CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____



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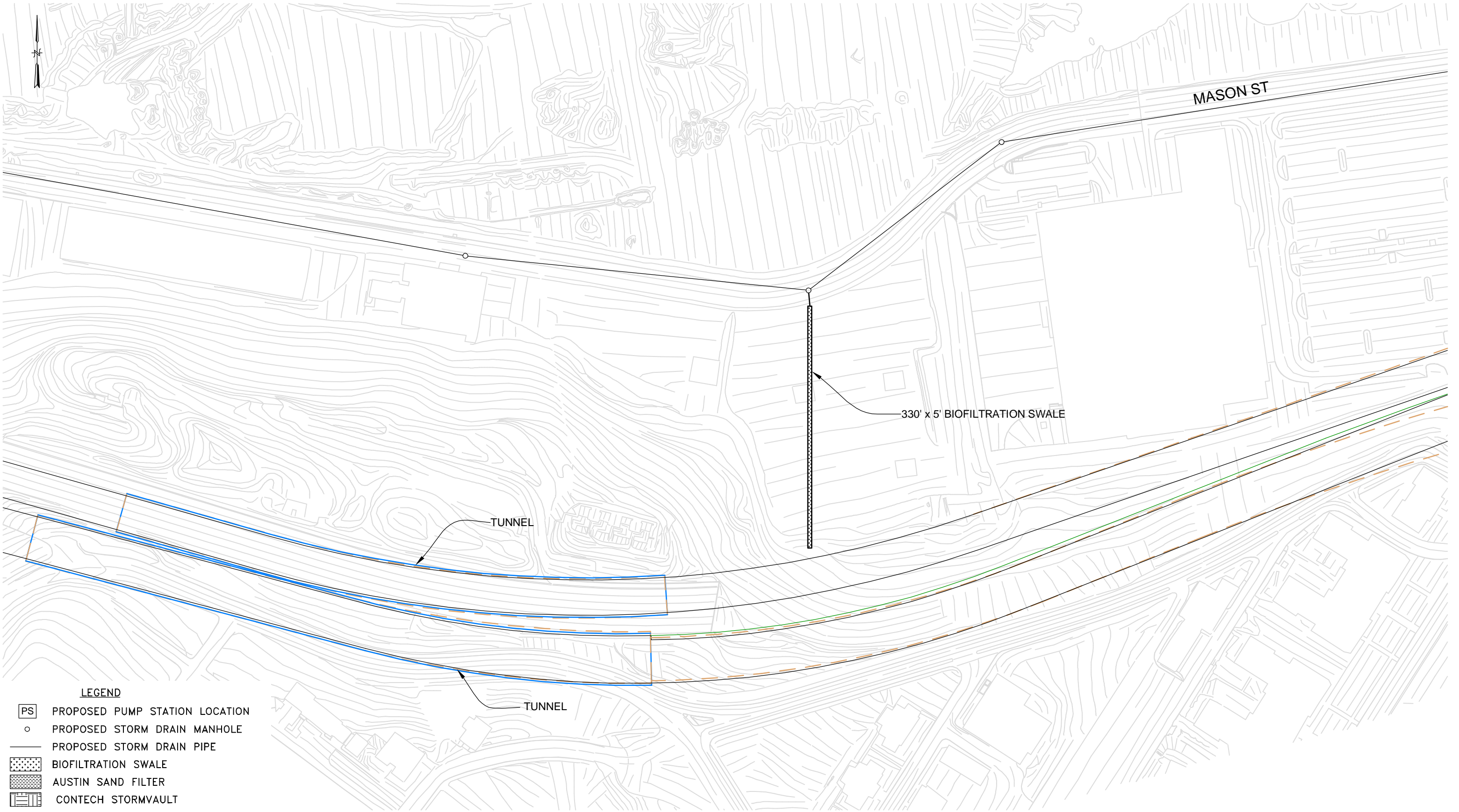
DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT 2A
BIOFILTRATION SWALE

Original Scale
is in Inches



SCALE	
HORIZONTAL:	1"=60'
VERTICAL:	N/A
SHT. ____ OF ____ SHTS.	



LEGEND

- PS PROPOSED PUMP STATION LOCATION
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN PIPE
- [Pattern] BIOFILTRATION SWALE
- [Pattern] AUSTIN SAND FILTER
- [Pattern] CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____

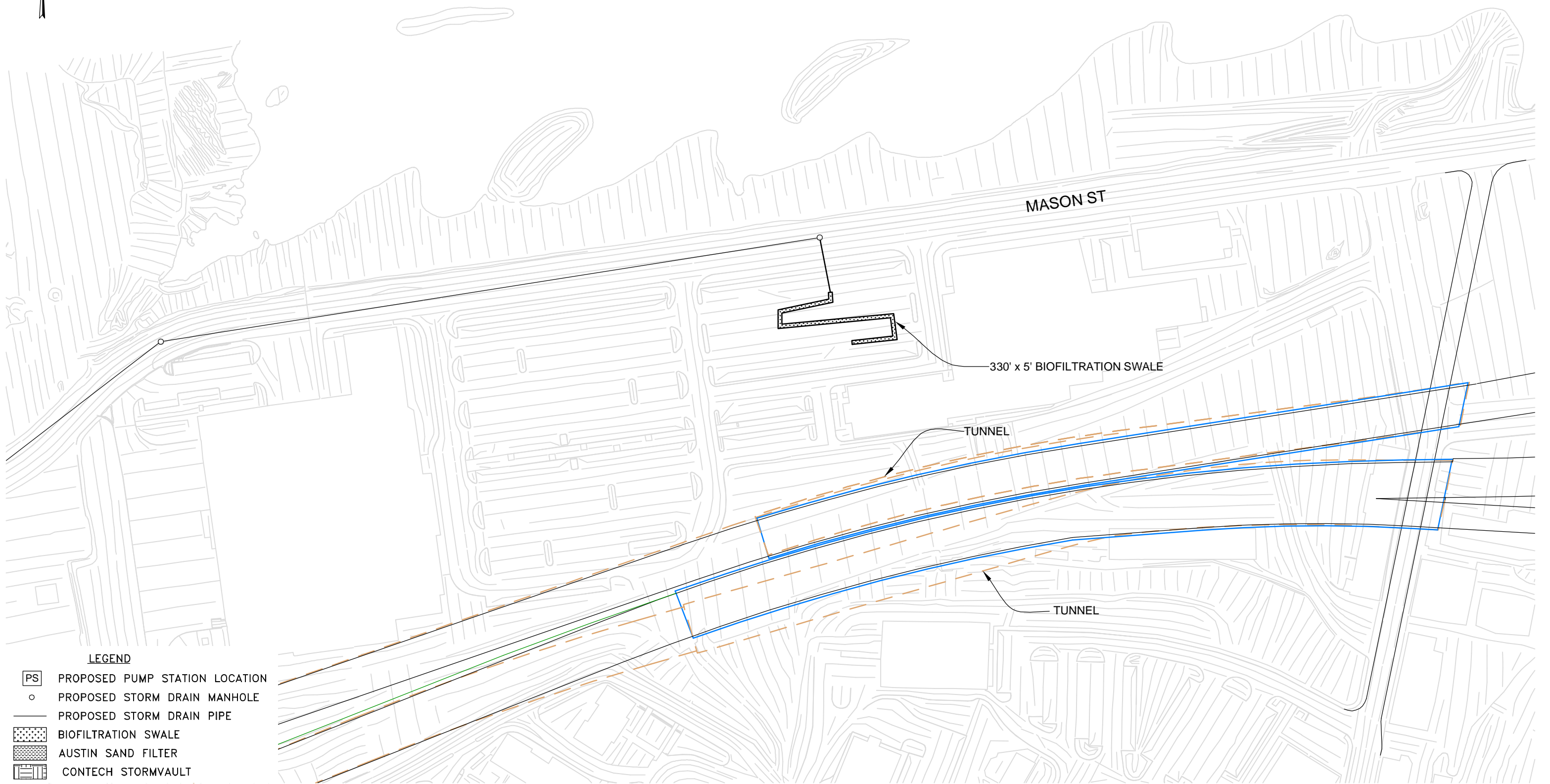


DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT 3A
BIOFILTRATION SWALE

SCALE	
HORIZONTAL:	1"=60'
VERTICAL:	N/A
SHT. ____ OF ____ SHTS.	

Original Scale
is in Inches



LEGEND

- PS PROPOSED PUMP STATION LOCATION
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN PIPE
- BIOFILTRATION SWALE
- AUSTIN SAND FILTER
- CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____

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BMP ALTERNATIVES EXHIBIT 4A
BIOFILTRATION SWALE

Original Scale
is in inches

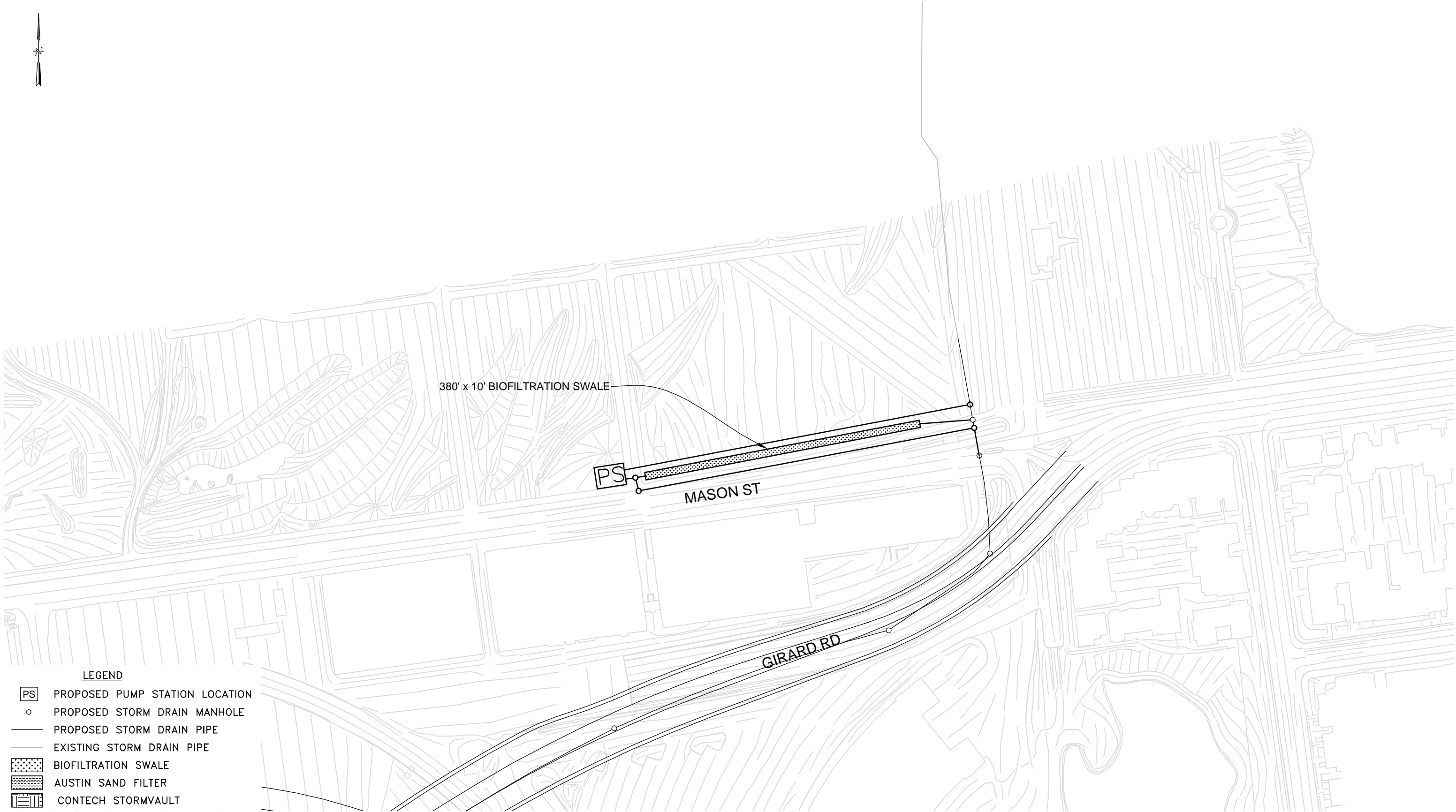
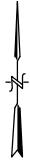
0

1

2

3

SCALE	
HORIZONTAL:	1"=60'
VERTICAL:	N/A
SHT. _____	OF _____ SHTS.



LEGEND

- PS PROPOSED PUMP STATION LOCATION
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN PIPE
- - - EXISTING STORM DRAIN PIPE
- [Pattern] BIOFILTRATION SWALE
- [Pattern] AUSTIN SAND FILTER
- [Pattern] CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____



DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT 5A
BIOFILTRATION SWALE







SCALE	
HORIZONTAL: 1"=60'	VERTICAL: N/A
SHT. ____ OF ____ SHTS.	

Original Scale
is in Inches

0 1 2 3



LEGEND

-  PROPOSED PUMP STATION LOCATION
-  PROPOSED STORM DRAIN MANHOLE
-  PROPOSED STORM DRAIN PIPE
-  BIOFILTRATION SWALE
-  AUSTIN SAND FILTER
-  CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____



DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT 1B
AUSTIN SAND FILTER

Original Scale
is in Inches

0

1

2

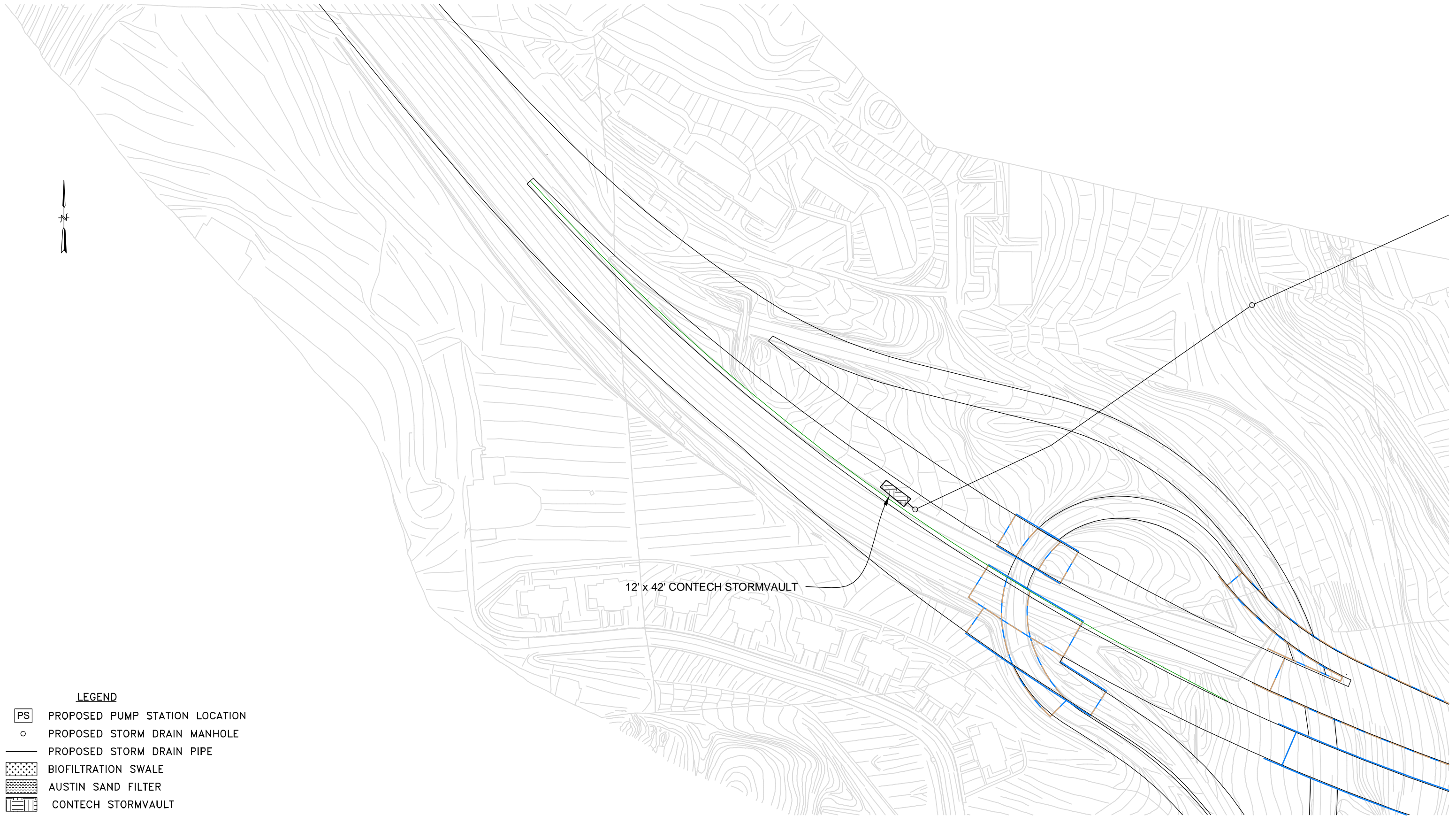
3

SCALE

HORIZONTAL: 1"=60'

VERTICAL: N/A

SHT. ____ OF ____ SHTS.



LEGEND

- PS PROPOSED PUMP STATION LOCATION
- o PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN PIPE
- BIOFILTRATION SWALE
- AUSTIN SAND FILTER
- CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____



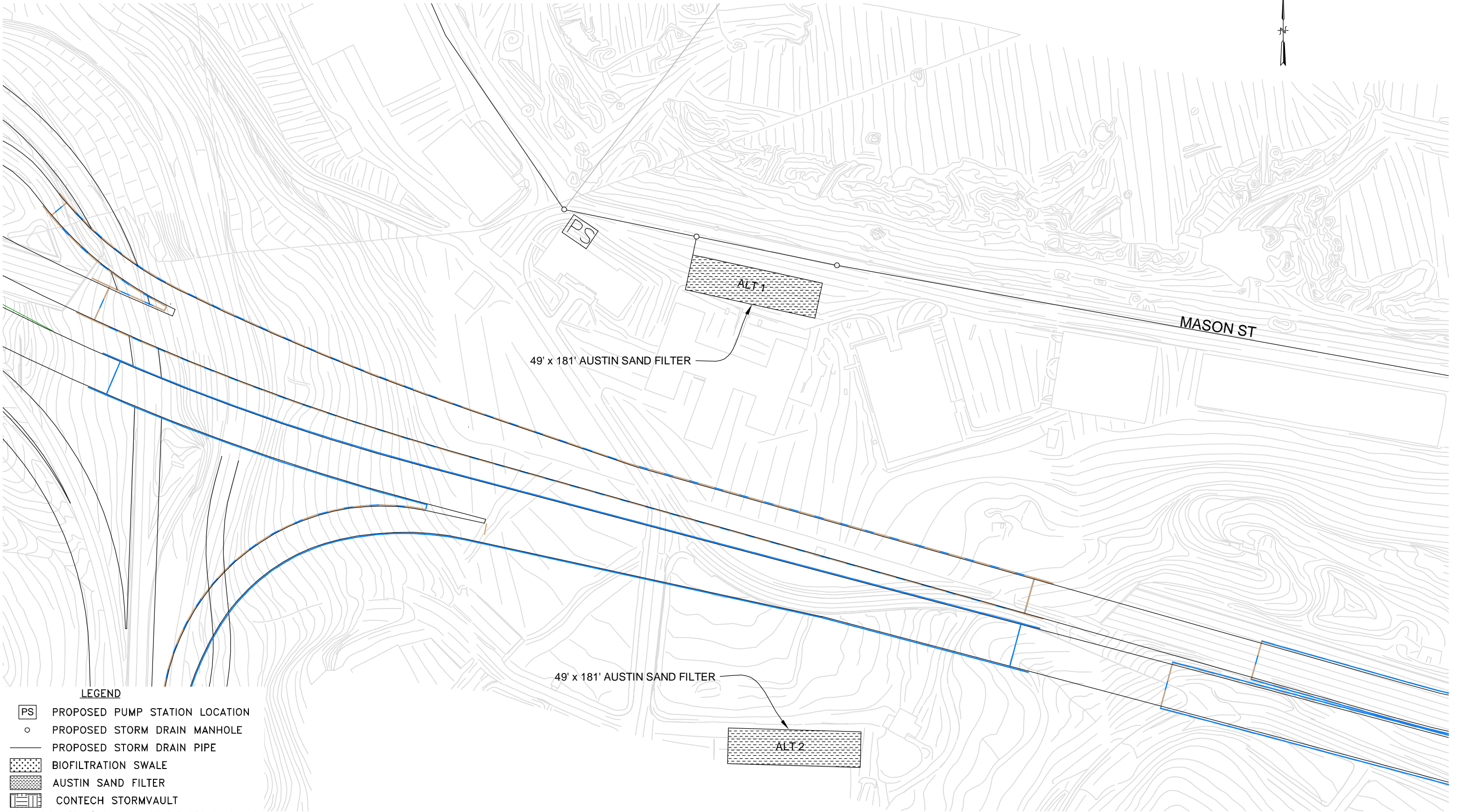
DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT 1C
CONTECH STORMVAULT

SCALE	
HORIZONTAL: 1"=60'	VERTICAL: N/A
SHT. ____ OF ____ SHTS.	

Original Scale
is in Inches

0 1 2 3



LEGEND

- PS PROPOSED PUMP STATION LOCATION
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN PIPE
- - - BIOFILTRATION SWALE
- AUSTIN SAND FILTER
- CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____



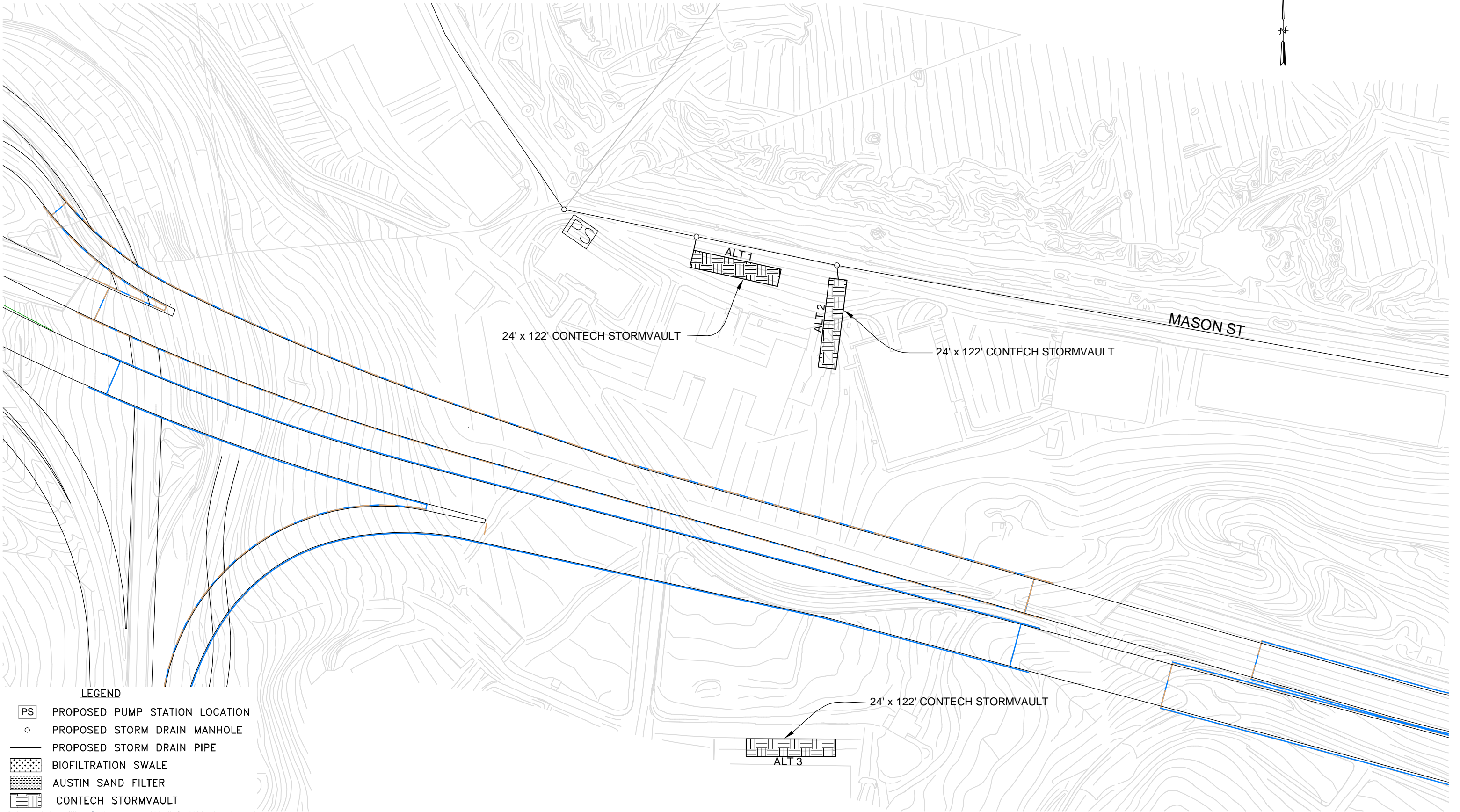
DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT 2B
AUSTIN SAND FILTER

SCALE	
HORIZONTAL: 1"=60'	VERTICAL: N/A
SHT. ____ OF ____ SHTS.	

Original Scale is in Inches

0 1 2 3



LEGEND

- PS PROPOSED PUMP STATION LOCATION
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN PIPE
- ▨ BIOFILTRATION SWALE
- ▨ AUSTIN SAND FILTER
- ▨ CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____



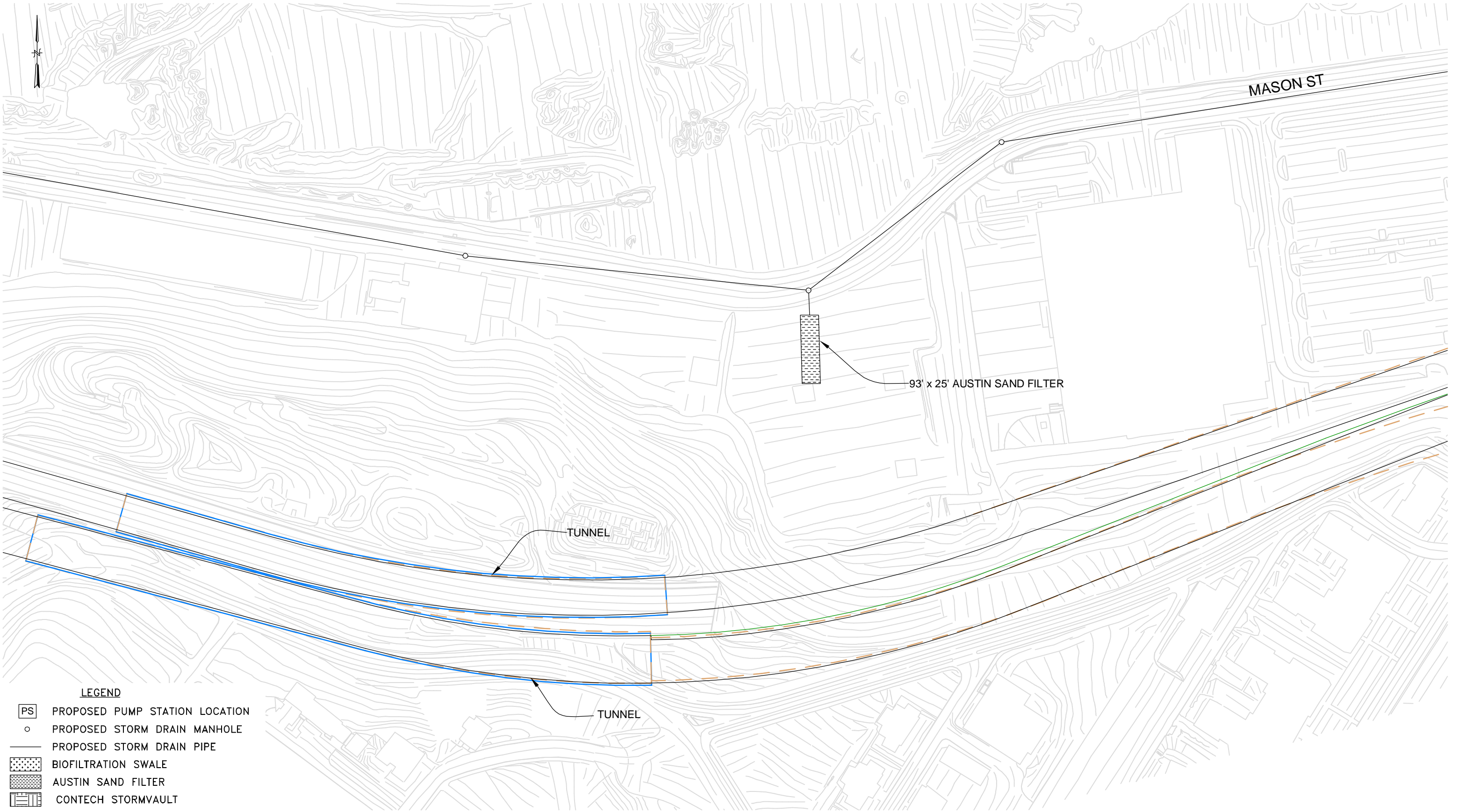
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BMP ALTERNATIVES EXHIBIT 2C
CONTECH STORMVAULT

SCALE	
HORIZONTAL: 1"=60'	VERTICAL: N/A
SHT. ____ OF ____ SHTS.	

Original Scale
is in Inches

0 1 2 3



NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____

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BMP ALTERNATIVES EXHIBIT 3B
AUSTIN SAND FILTER

SCALE

HORIZONTAL: 1"=60'

VERTICAL: N/A

Original Scale
is in Inches

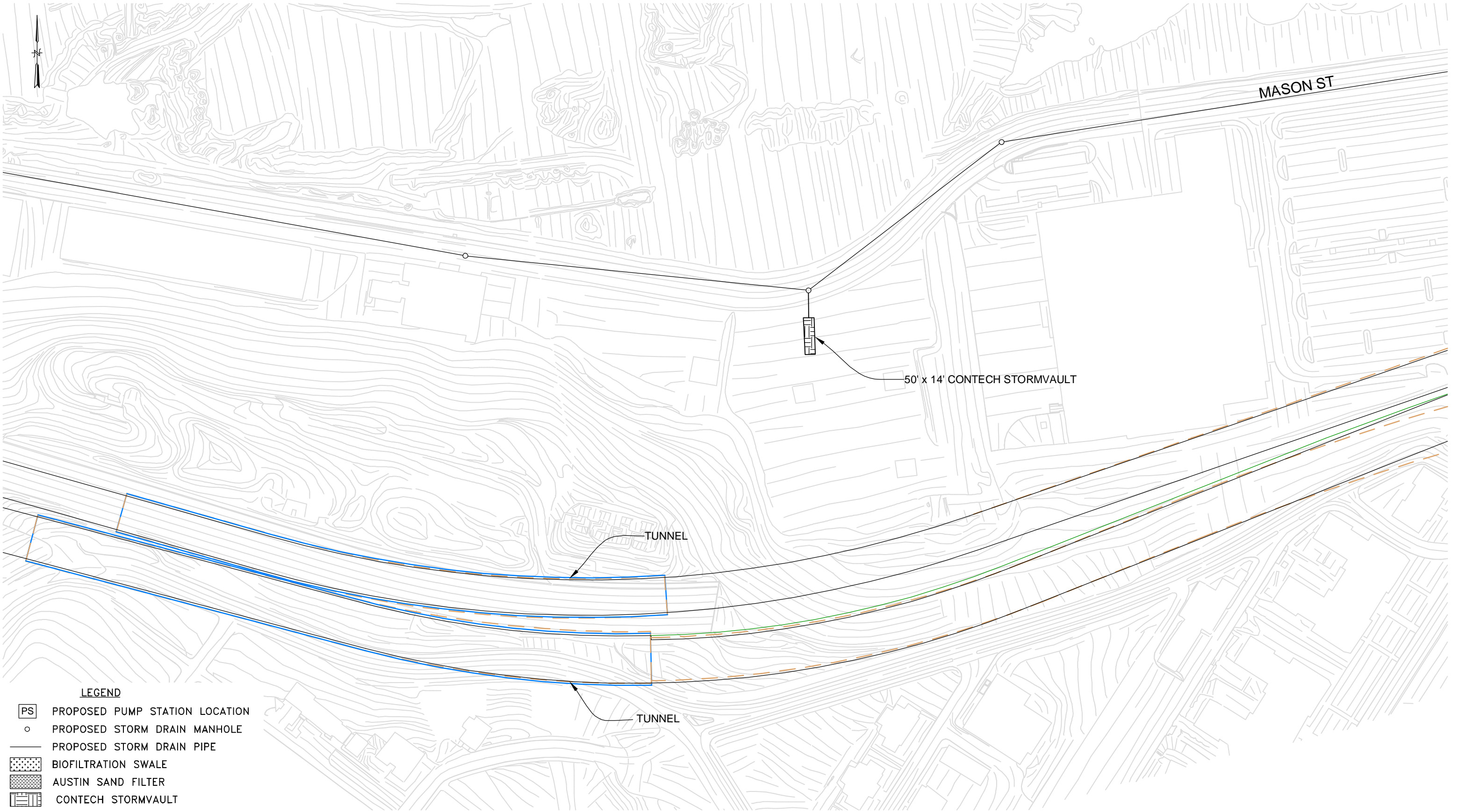
0

1

2

3

SHT. ____ OF ____ SHTS.



LEGEND

- PS PROPOSED PUMP STATION LOCATION
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN PIPE
- [Pattern] BIOFILTRATION SWALE
- [Pattern] AUSTIN SAND FILTER
- [Pattern] CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
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SURVEY FILE: _____	_____

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BMP ALTERNATIVES EXHIBIT 3C

CONTECH STORMVAULT

Original Scale
is in Inches

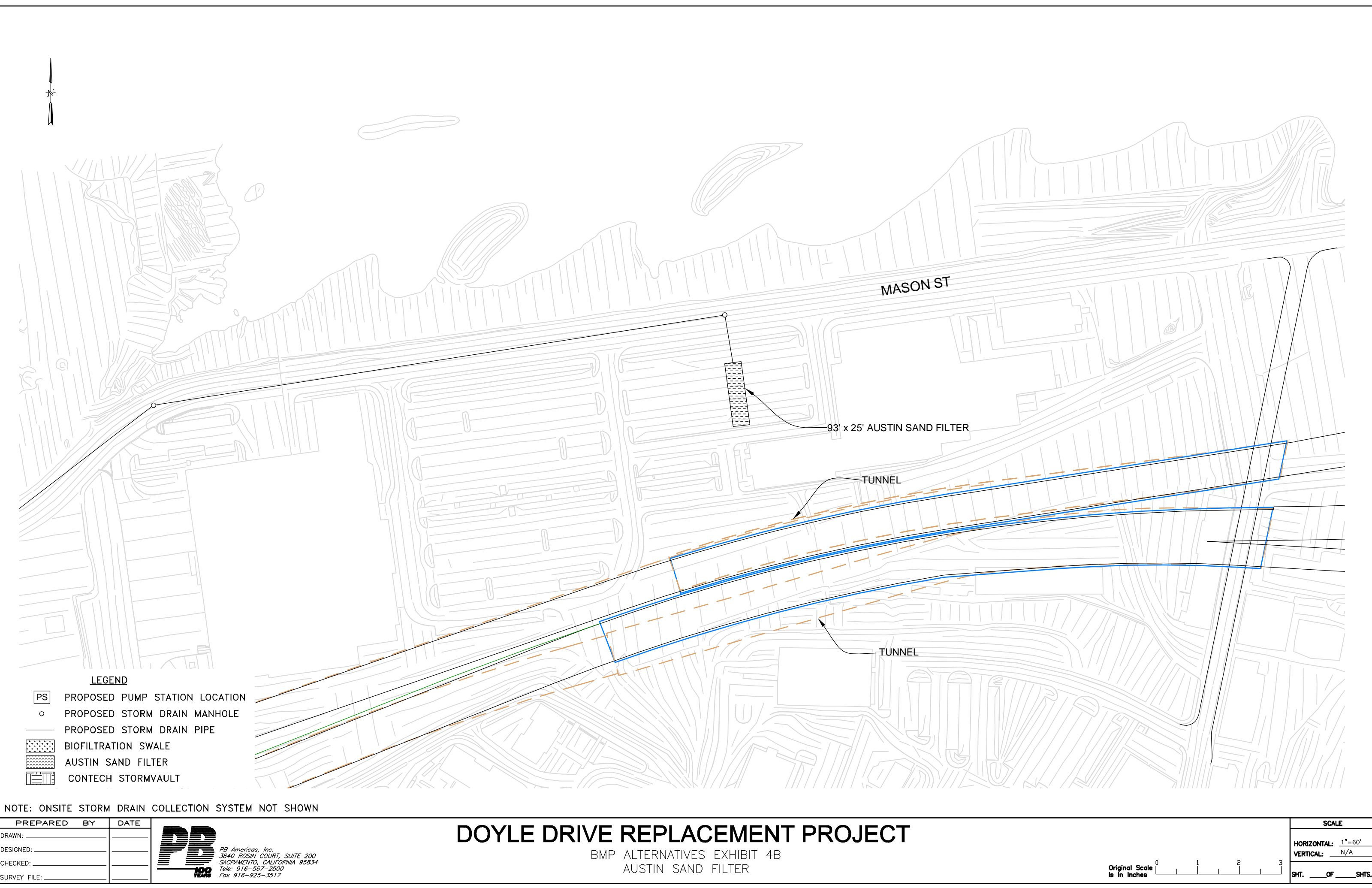
0 1 2 3






SCALE

HORIZONTAL: 1"=60'

VERTICAL: N/A

SHT. ____ OF ____ SHTS.



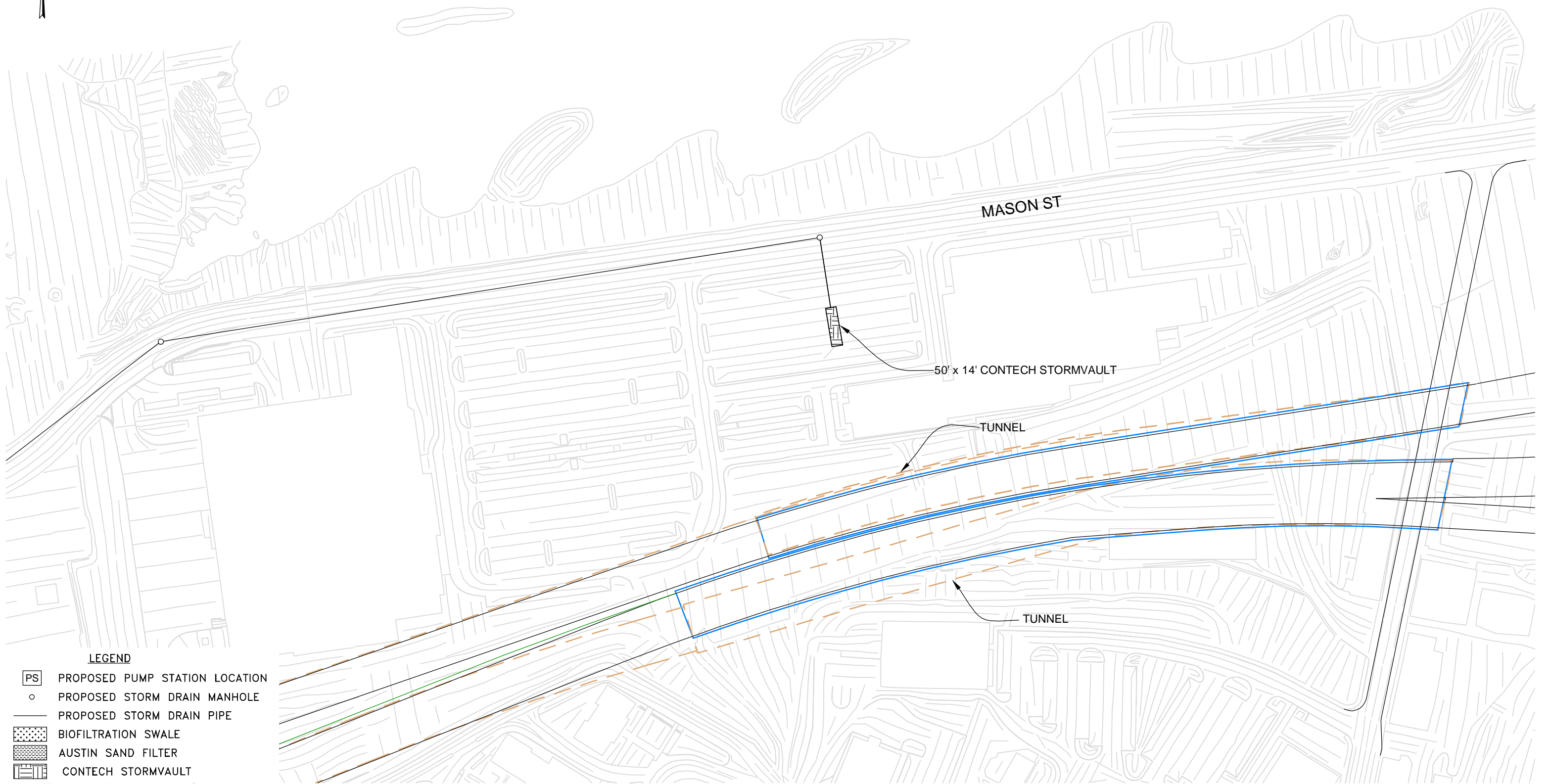
	PROPOSED PUMP STATION LOCATION
	PROPOSED STORM DRAIN MANHOLE
	PROPOSED STORM DRAIN PIPE
	BIOFILTRATION SWALE
	AUSTIN SAND FILTER
	CONTECH STORMVAULT

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____









Original Scale
Is in Inches

SHT. _____ OF _____ SHT.



LEGEND

-  PROPOSED PUMP STATION LOCATION
-  PROPOSED STORM DRAIN MANHOLE
-  PROPOSED STORM DRAIN PIPE
-  BIOFILTRATION SWALE
-  AUSTIN SAND FILTER
-  CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____




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BMP ALTERNATIVES EXHIBIT 4C
CONTECH STORMVAULT

Original Scale
is in inches










SCALE

HORIZONTAL: 1"=60'
VERTICAL: N/A

SHT. ____ OF ____ SHTS.



LEGEND

-  PROPOSED PUMP STATION LOCATION
-  PROPOSED STORM DRAIN MANHOLE
-  PROPOSED STORM DRAIN PIPE
-  EXISTING STORM DRAIN PIPE
-  BIOFILTRATION SWALE
-  AUSTIN SAND FILTER
-  CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____



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DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT 5B
AUSTIN SAND FILTER

Original Scale
is in Inches

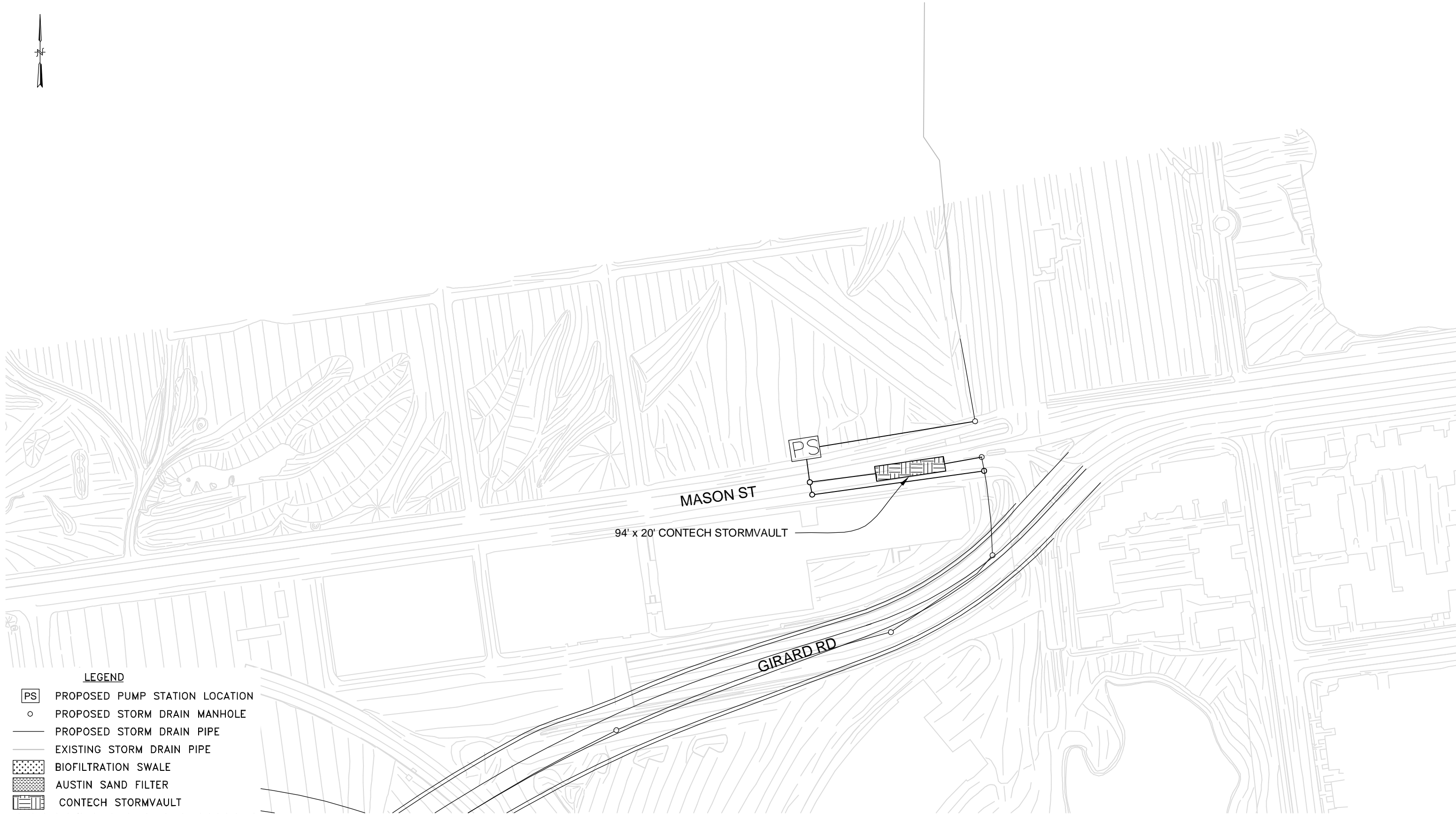
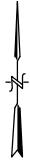
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

2

3

SCALE	
HORIZONTAL:	1"=60'
VERTICAL:	N/A
SHT. ____ OF ____ SHTS.	



LEGEND

-  PROPOSED PUMP STATION LOCATION
-  PROPOSED STORM DRAIN MANHOLE
-  PROPOSED STORM DRAIN PIPE
-  EXISTING STORM DRAIN PIPE
-  BIOFILTRATION SWALE
-  AUSTIN SAND FILTER
-  CONTECH STORMVAULT

NOTE: ONSITE STORM DRAIN COLLECTION SYSTEM NOT SHOWN

PREPARED BY	DATE
DRAWN: _____	_____
DESIGNED: _____	_____
CHECKED: _____	_____
SURVEY FILE: _____	_____



DOYLE DRIVE REPLACEMENT PROJECT

BMP ALTERNATIVES EXHIBIT 5C
CONTECH STORMVAULT

SCALE	
HORIZONTAL:	1"=60'
VERTICAL:	N/A
SHT. ____ OF ____ SHTS.	

Original Scale
is in Inches

